

DETAILED ACTION

1. Claims 10-14 are pending in the application.
2. Claims 1-9 have been canceled.

Allowable Subject Matter

3. Claims 10-14 and re-numbered as claims 1-to-5 respectively are allowed.
4. Claims 10-14 and re-numbered as claims 1-to-5 respectively are allowable over the prior art of record because the cited references do not contain the specified limitation of a transmitting apparatus comprising: a baseband signal former that makes baseband signals in varying channel matrix patterns in accordance with data; a radio section that converts the baseband signals to radio signals; and a transmit antenna that transmits the radio signals, wherein: the transmit antenna comprises a plurality of antennas; the baseband signal former comprises a space-time block encoder that changes a pattern of a space-time block code in accordance with transmission data; and the space-time block encoder comprises: a first modulator that makes a first transmission symbol from the transmission data; a second modulator that makes a second transmission symbol from the transmission data; and a signal selector that receives as input the first and second transmission symbols, outputs to the plurality of antennas the first and second transmission symbols and signals representing complex conjugates of said first and second symbols, by changing an order of said first and second symbols and the complex

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conjugate signals in accordance with transmission data, and makes a space-time block code signal.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to SUDHANSHU C. PATHAK whose telephone number is (571)272-5509. The examiner can normally be reached on 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh M. Fan can be reached on 571-272-3042.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/Sudhanshu C Pathak/
Primary Examiner, Art Unit 2611